## **Appendix Table 1-10** Highest-level science course enrollment of students in grade 11, by student and family characteristics: 2012

(Percentage distribution)

Student and family characteristic	No science	General or basic science	Earth/ environmental science	Physical science	Biology 1	Chemistry 1	Physics 1	Biology 2	Chemistry 2	Physics 2	Other advanced science
All students	19.9	0.3	6.0	2.3	10.6	26.9	13.9	10.4	5.0	2.6	2.1
Sex											
Male	21.1	0.3	7.1	2.6	11.3	25.8	13.8	8.1	4.8	3.2	2.2
Female	18.7	0.3	5.0	2.1	9.9	28.0	14.1	12.7	5.1	2.1	2.1
Race or ethnicity											
White	18.4	0.3	6.1	2.3	9.4	28.8	13.1	11.0	5.6	2.9	2.3
Black	23.7	0.4	5.9	2.9	11.6	27.4	13.4	7.6	3.8	1.5	1.9
Hispanic <sup>a</sup>	22.2	0.2	5.8	2.2	12.7	22.0	17.8	9.6	3.6	1.8	2.0
Asian	8.6	0.0	2.7	1.0	7.1	27.4	15.8	15.8	10.9	8.4	2.2
Other <sup>b</sup>	22.2	0.4	7.7	2.8	12.5	26.8	9.2	10.7	3.7	2.2	2.0
Parents' highest education <sup>c</sup>											
Less than high school	32.6	0.0	4.9	5.2	11.1	14.8	16.8	7.9	2.7	1.0	3.1
High school diploma or equivalent	20.8	0.2	7.7	2.7	13.2	28.4	10.8	8.4	4.2	1.8	1.8
Associate's degree	26.6	0.3	8.8	1.7	14.0	25.2	8.3	10.2	3.1	1.3	0.5
Bachelor's degree	18.8	0.4	6.9	2.9	10.0	30.4	13.0	10.8	4.5	0.8	1.6
Master's degree or higher	12.8	0.2	4.6	1.9	6.9	27.2	17.5	13.1	8.0	4.7	3.1
Highest science course in grade 9											
No science	33.0	0.2	7.0	2.9	13.1	23.2	6.6	7.0	4.2	0.8	1.9
General science	19.6	0.4	7.0	2.1	18.7	32.7	5.1	7.8	4.1	1.8	0.8

Student and family characteristic	No science	General or basic science	Earth/ environmental science	Physical science	Biology 1	Chemistry 1	Physics 1	Biology 2	Chemistry 2	Physics 2	Other advanced science
Earth/environmental/physical science	18.1	0.3	5.9	3.2	9.7	40.8	5.4	10.0	4.4	0.9	1.3
Biology 1	15.5	0.1	6.1	1.8	8.2	17.3	25.7	12.3	5.6	4.3	3.1
Above biology 1	16.7	0.0	2.8	0.8	17.5	27.0	9.4	11.2	6.8	5.2	2.4
Pre-high school mathematics achievement											
Lowest fifth	31.7	0.5	8.6	4.1	15.2	19.5	7.9	7.3	2.3	0.8	2.3
Middle three-fifths	18.7	0.2	6.5	2.4	11.1	30.0	13.5	10.3	4.0	1.5	1.8
Highest fifth	11.5	0.1	2.2	0.9	4.7	24.6	21.3	13.8	10.3	7.1	3.4
Students' educational expectations in grade 9											
High school or less	29.1	0.3	8.1	3.6	17.1	21.8	6.8	8.1	2.1	1.0	2.1
Some college	22.7	0.5	9.2	3.1	11.1	26.6	12.2	8.9	3.1	1.5	1.2
Bachelor's degree	17.9	0.1	5.4	1.7	8.7	30.0	17.2	9.6	5.0	2.2	2.3
Graduate/professional degree	15.9	0.1	4.4	1.6	7.7	27.3	16.7	13.0	6.9	3.8	2.7
Don't know	21.6	0.4	7.3	3.4	13.1	27.3	11.6	8.2	3.6	1.8	1.7
Control of school in grade 12											
Public	20.1	0.2	6.2	2.4	10.8	26.9	13.5	10.4	4.9	2.4	2.1
Private	7.5	0.1	3.4	1.0	6.3	32.6	22.7	11.9	6.7	5.4	2.6
Socioeconomic status in grade 12 <sup>d</sup>											
Lowest fifth	25.9	0.2	6.3	3.2	14.6	22.9	11.7	9.0	2.8	1.4	1.9
Middle three-fifths	20.5	0.3	6.6	2.4	10.8	28.1	13.1	10.0	4.4	2.1	1.8
Highest fifth	12.8	0.1	4.0	1.5	6.4	27.2	18.4	12.7	8.6	5.2	3.3

<sup>&</sup>lt;sup>a</sup> Hispanic may be any race. Asian, black or African American, white, and other races refer to individuals who are not of Hispanic origin.

<sup>&</sup>lt;sup>b</sup> Other includes Alaska Native, American Indian, Native Hawaiian, Pacific Islander, more than one race, and those having origins in a race not listed.



<sup>c</sup> The highest lev	el of education	achieved by	either parent.
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<sup>d</sup> Socioeconomic status (SES) is a composite variable derived from parental education level, parental occupation, and family income. The quintile measure divides the SES distribution into five equal quintile groups. Quintile 1 corresponds to the lowest one-fifth of the population, and quintile 5 corresponds to the highest. For this report, the middle three quintiles are combined into one category.

NOTE: Percentages may not add to total because of rounding.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, special tabulations (2014) of High School Longitudinal Study of 2009 (HSLS:09),

National Center for Education Statistics.

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